

INTERNATIONAL SEARCH REPORT

Internatl pplication No
PCT/6B 03/03808

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01Q15/00 H01Q17/00 H01Q1/24

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 497 168 A (THOMAS MICHAEL D ET AL) 5 March 1996 (1996-03-05) abstract; figures 4,5,9,10	1,2, 13-15
Y	column 4, line 19 - line 41	6-13,17
X	EP 1 162 687 A (SONY CORP) 12 December 2001 (2001-12-12) page 4, line 1 - line 41; figures 4-6	1,2,15; 16
Y	EP 1 195 847 A (TENNA CORP E) 10 April 2002 (2002-04-10) page 1, line 10 -page 2, line 40; figures 1-12	12,13
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
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- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	COCCIOLI R ET AL: "APERTURE-COUPLED PATCH ANTENNA ON UC-PBG SUBSTRATE" IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, IEEE INC. NEW YORK, US, vol. 47, no. 11, November 1999 (1999-11), pages 2123-2130, XP000865110 ISSN: 0018-9480 cited in the application abstract	6,8
Y	US 2001/038325 A1 (SMITH DAVID ET AL) 8 November 2001 (2001-11-08) abstract	7
Y	BREWITT-TAYLOR C R ET AL: "MEASUREMENT AND PREDICTION OF HELIX-LOADED CHIRAL COMPOSITES" IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, IEEE INC. NEW YORK, US, vol. 47, no. 4, April 1999 (1999-04), pages 692-699, XP000830226 ISSN: 0018-926X cited in the application the whole document	9-11,17
A	KOCHARYAN K N ET AL: "The millimeter wave magneto-optics: new method for characterization of ferrites in the millimeter wave range" MICROWAVE SYMPOSIUM DIGEST, 1999 IEEE MTT-S INTERNATIONAL ANAHEIM, CA, USA 13-19 JUNE 1999, PISCATAWAY, NJ, USA, IEEE, US, 13 June 1999 (1999-06-13), pages 1169-1172, XP010343343 ISBN: 0-7803-5135-5 page 1169, left-hand column; figure 3	1-16
A	WO 99 50929 A (SIEVENPIPER DAN ;UNIV CALIFORNIA (US); YABLONOVITCH ELI (US)) 7 October 1999 (1999-10-07) figures 8B,11B	15

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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